MODIS and VIIRS TEB Performance

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Terra MODIS (C6.1) SNOs with MetOp-A IASI
Aqua MODIS (C6.1) SNOs with MetOp-A IASI
VIIRS – CrIS Comparisons

**SNPP**

SNPP CrIS/VIIRS Daily Mean Differences

- Switch to VIIRS V3 L1B

**N-20**

N20 CrIS/VIIRS Daily Mean Differences
A LUT correction is planned for N-20 L1B processing that will reduce scene temperature dependence.
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SNPP VIIRS SNOs with MetOp-A IASI
N-20 VIIRS SNOs with MetOp-A IASI
Summary

• Terra MODIS shows trending in PVLWIR (B27-30) that could be problematical for climate studies. Electronic Xtalk likely remains root cause.
• Aqua MODIS trends more stable but watching PVLWIR.
• SNPP VIIRS trending well.
• Some differences in biases between SNPP and N-20 VIIRS as a function of scene temperature.